

Citrus Research Board

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Meeting Confirmation Notice

To: Board Members, Alternates and Committee Members
From: MaryLou Polek, Vice President
Date: September 10, 2010

Board Chairman Jim Gorden has called a meeting of the Citrus Research Board to be held as follows:

Dates: **Tuesday September 21, Wednesday September 22 and Thursday September 23, 2010**

Times: **RESEARCH PRESENTATIONS BEGIN AT:**

**1:00 P.M. Tuesday September 21st
8:00 A.M. Wednesday September 22nd
10:20 A.M. Thursday September 23rd
A SCHEDULE IS ENCLOSED**

**On Thursday, September 23, a Board business session will be held
8:00 A.M. to 10:00 A.M.**

Location: **The Doubletree Hotel
3100 Camino Del Rio Court
Bakersfield, CA
(661) 323-7111**

The purpose of the meeting is to hear research project proposals for FY 2010-2011 and attend to other current business of the Board. The Board business session agenda will be sent ten days prior to the meeting.

Please use the enclosed Meeting Response Form to let me know if you will be able to attend the sessions September 21– 23, 2010. **Room block is limited, please respond ASAP.**

cc: Joe Monson

Meeting Notice and Agenda will be posted at www.citrusresearch.org and www.cdfa.ca.gov For additional information, contact the Citrus Research Board at (559) 738-0246 or e-mail Info@citrusresearch.org.

Citrus Research Board

September 21-23, 2010

2010-2011 RESEARCH PROPOSALS

Agenda

Tuesday, September 21

New Varieties - 5200

- | | | |
|------|---------------------------------|---|
| 1:00 | Mikeal Roose
5200-009 | Citrus Rootstock Breeding and Evaluation (<i>continuing project</i>) |
| 1:20 | Mikeal Roose
5200-101 | Breeding of New Citrus Scion Varieties (<i>continuing project</i>) |
| 1:40 | Tracy Kahn
5200-010 | Citrus Variety Evaluation for Trueness-to-Type and Commercial Potential (<i>continuing project</i>) |
| 2:00 | Tracy Kahn
5200-129 | Unforbidden Fruits: Preventing Citrus Smuggling by Introducing Varieties Culturally Significant to Ethnic Communities (<i>continuing project</i>) |
| 2:20 | Glenn Wright
5200-127 | Evaluation of Lemon Selections for the Desert (<i>continuing project</i>) |

Post Harvest - 5600

- | | | |
|------|--------------------------------------|---|
| 2:40 | Elizabeth Mitcham
5600-133 | Control of bean thrips in navel oranges using Vapormate fumigation for export to Australia (<i>continuing project</i>) Via Phone |
| 3:00 | Break | |
| 3:20 | Joseph Smilanick
5600-106 | New technologies to minimize postharvest decay of citrus (<i>continuing project</i>) |
| 3:40 | Tony Koselka
5600-128 | Robot Mechanical Harvester- Scouting (<i>continuing project</i>) |
| 4:00 | Mary Lu Arpaia
5600-137 | Assessing factors influencing the postharvest quality of California citrus (<i>continuing project</i>) |
| 4:20 | Eric Jang
5600-11A | Guidelines for systems approach for phytosanitary agreements (<i>new proposal</i>) Via Phone |

Tuesday, September 21 (continued)

Post Harvest – 5600 (continued)

4:40 **Spencer Walse** Breaking citrus trade barriers using novel postharvest fumigations: high
5600-136 concentration phosphine at low temperature (Horn method) (*continuing project*)

5:00 Recess for the day

Wednesday, September 22 (*Continental breakfast at 7:30 a.m.*)

Plant Pathology – 5300

7:40 **Jim Adaskaveg** Evaluation of New Postharvest Treatments to Reduce Postharvest
5600-103 Decays of Citrus (*continuing project*)

8:00 **James Adaskaveg** Disease Forecasting and Management of Septoria Spot of Citrus
5300-119 (*continuing project*)

8:20 **Hailing Jin** Identification of *Candidatus Liberobacter*-induced small RNAs for early
5300-131 diagnosis of HLB citrus greening(*continuing project*) **Presented by Hongwei Zhao**

8:40 **Norman Schaad** Cultivation, Characterization and Rapid Detection of the Casual Agent
5300-136 of Huanglongbing Disease of Citrus (*continuing project*)

9:00 **Glenn Wright** Effect of heat on *Candidatus Liberibacter asiaticus* transmission (*new proposal*)
5300-11B

9:20 **James Ng** Identification of insect-infecting viruses and evaluation of their potential
5300-11C to be developed into virus induced gene silencing vectors to inhibit the insects' capacity to transmit citrus pathogens (*new proposal*)

9:40 **Raymond Yokomi** Investigation of seedling yellows cross protection by mild components
5300-138 of the Dekopon *Citrus tristeza virus* (CTV) strain and use of California CTV strains to protect against virulent isolates (*continuing project*)

10:00 Break

10:20 **Wenbo Ma** Identification of *Spiroplasma citri* secreted proteins as detection
5300-139 markers for citrus stubborn disease (*continuing project*)

10:40 **Lee/VanBruggen/
Walker** Characterization of the endophytic prokaryotes closely related to the
5300-11D bacterium associated with huanglongbing in citrus and citrus relatives (*new proposal*) **Presented by Richard Lee**

Wednesday, September 22 (continued)

- 11:00 **Lee/Volk/Hartung** Development of Cryotherapy as an improved method of eliminating
5300-11E graft transmissible pathogens in *Citrus* (*new proposal*) ***Presented by Richard Lee***
- 11:20 **Akif Eskalen** Investigating Important Diseases of Citrus in California (*continuing*
5300-140 *project*)
- 11:40 **Folimonova/Vidalakis** Avoiding economic losses in California citrus crop from Citrus tristeza
5300-11H virus stem pitting (*new proposal*)
- 12:00 Lunch
- 1:00 **Robert Cary** An Integrated Low Cost Nucleic Acid Analysis Platform for the Rapid
5300-141 Detection of Plant Pathogens (*continuing project*) ***Via Phone***
- 1:20 **Scott White** Development, validation, and deployment of rapid inexpensive,
5300-142 multiplex assays for simultaneous detection and strain characterization
of multiple citrus pathogens (*continuing project*)
- 1:40 **Shou-Wei Ding** Rapid Identification of Unknown Citrus Virus and Viroid Pathogens
5300-143 (*continuing project*) ***Presented by Georgios Vidalakis***

Plant Management - 5100

- 2:00 **Dandekar/Davis** A generalized reagentless sensor to detect citrus plant and fruit responses
5100-135 (*continuing project*) ***Presented by Christina Davis***
- 2:20 **Dandekar/Goulart** Biosensor Development for Citrus Disease Diagnosis Using Combina-
5100-11A torial Molecules for Pathogen (*new proposal*)
- 2:40 **Abhaya Dandekar** Development of rootstocks resistant to HLB and CVC diseases
5100-11B (*new proposal*)
- 3:00 Break
- 3:20 **Gayle Volk** Cryopreservation of Citrus Clones to Increase Security of Critical
5100-11C Collections (*new proposal*)
- 3:40 **Greg Walker** Screening Citrus and Citrus Relatives for Resistance Against the
5100-11D Asian Citrus Psyllid (*new proposal*)
- 4:00 **Nian Wang** Activation of plant defenses against *Candidatus Liberibacter asiaticus*
5100-11F by screening for inhibitors of salicylate hydroxylase, which is used by
the causal agent to suppress plant defense responses (*new proposal*)

Wednesday, September 22 (continued)

Plant Management – 5100 (continued)

- 4:20 **Reza Ehsani** A comparison of using mid-infrared spectroscopy for screening HLB
5100-11H in California and Florida (*new proposal*)
- 4:40 **William Gensler** Irrigation Scheduling, Nitrogen Uptake and Harvest Timing Using
5100-11I Inside the Plant Sensors (*new proposal*)
- 5:00 **Zhonglin Mou** Engineering systemic acquired resistance in citrus to increase disease
5100-11J resistance (*new proposal*) **Via Phone**

5:20 Recess for the day

Thursday, September 23

8:00 to 10:00 a.m. **CRB Board Business Session**

10:00 Break

Entomology 5500

- 10:20 **Beth G-Cardwell** Pest Management Infrastructure (*continuing project*)
5500-001
- 10:40 **Beth G-Cardwell** Evaluating the effects of repeated oil treatments for Asian citrus psyllid on
5500-185 navel orange tree health, fruit production and fruit quality (*continuing
project*)
- 11:00 **Andrea Joyce** Monitoring for biotypes of ACP (*new proposal*)
5500-11A
- 11:20 **Edwin Lewis** Development of entomopathogenic nematodes as biocontrol for
5500-11B European earwig (*new proposal*)
- 11:40 **C. Weirauch** Molecular Systematics of Diaphorina Loew, vectors of Citrus Greening
5500-180 Disease (HLB) (*continuing project*) **Presented by Dr. Dimitri Forero**
- 12:00 Lunch
- 1:00 **Frank Byrne** Optimization of Imidacloprid Application Rates for the Management
5500-182 of ACP on Containerized Citrus (*continuing project*)
- 1:20 **Frank Byrne** Assessment of Systemic Neonicotinoid Insecticides for the Management
5500-179 of ACP (*continuing project*)

Thursday, September 23 *(continued)*

Entomology 5500 *(continued)*

- 1:40 **Joseph Patt**
5500-11C Development of a pathogen dispenser to control Asian citrus psyllid (ACP) in residential and organic citrus (*new proposal*)
- 2:00 **John Byers**
5500-11D Identification of sex pheromone and semiochemicals of ACP (*new proposal*)
- 2:20 **Ray/Luck**
5500-186 Identification of Odor-Based Lures and Repellents for the Asian Citrus Psyllid. (*continuing project*) ***Presented by Anandasankar Ray***
- 2:40 **Robert Luck**
5500-11F A Foundation Colony of Asian Citrus Psyllid, *Diaphorina citri* (Hemiptera: Psyllidae) to Facilitate and Expedite Research within Quarantine and, when Permitted, outside Quarantine for the Protection of California Citrus (*new proposal*) ***Presented by Lisa Forster***
- 3:00 Break
- 3:20 **Mark Hoddle**
5500-183 Host Specificity Testing of *Tamarixia radiata* Sourced from the Punjab of Pakistan for Classical Biological Control of Asian Citrus Psyllid in California (*continuing project*) ***Presented by Raju Raj Pandey***
- 3:40 **Jose Rodrigues**
5500-184 Preparation for citrus leprosis an emerging citrus disease: survey of California citrus for *Brevipalpus* transmitted viruses (BTVs) and preparation of a color brochure (*continuing project*)
- 4:00 **Joseph Morse**
5500-118 Management of Citrus and Bean Thrips (*continuing project*)
- 4:20 **Morse/Bethke/
Byrne**
5500-11E Optimizing Chemical Control of Asian Citrus Psyllid in California (*new proposal*)
- 4 :40 Adjourn**